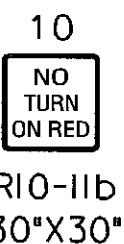
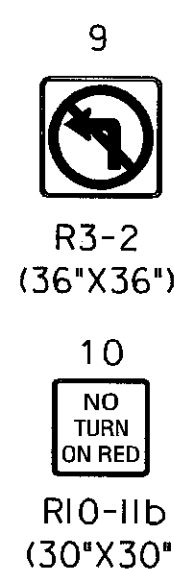
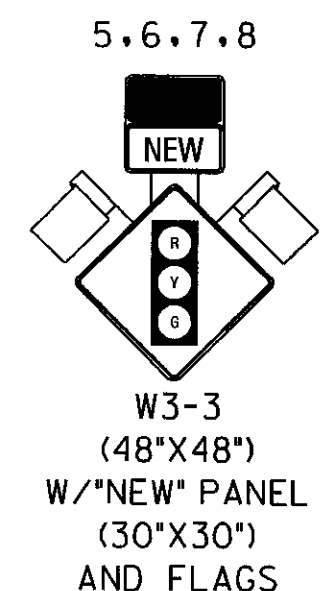
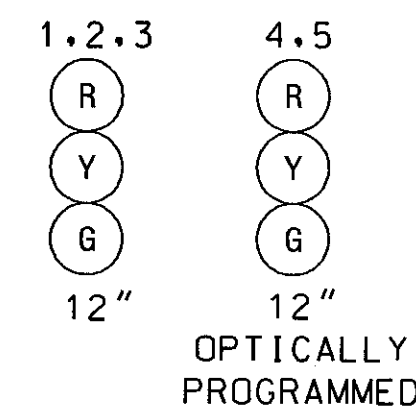


US 1 IS ASSUMED TO RUN  
IN A NORTH-SOUTH DIRECTION

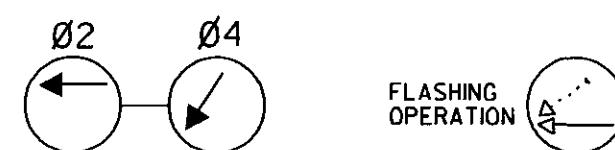
PROPOSED SIGNS



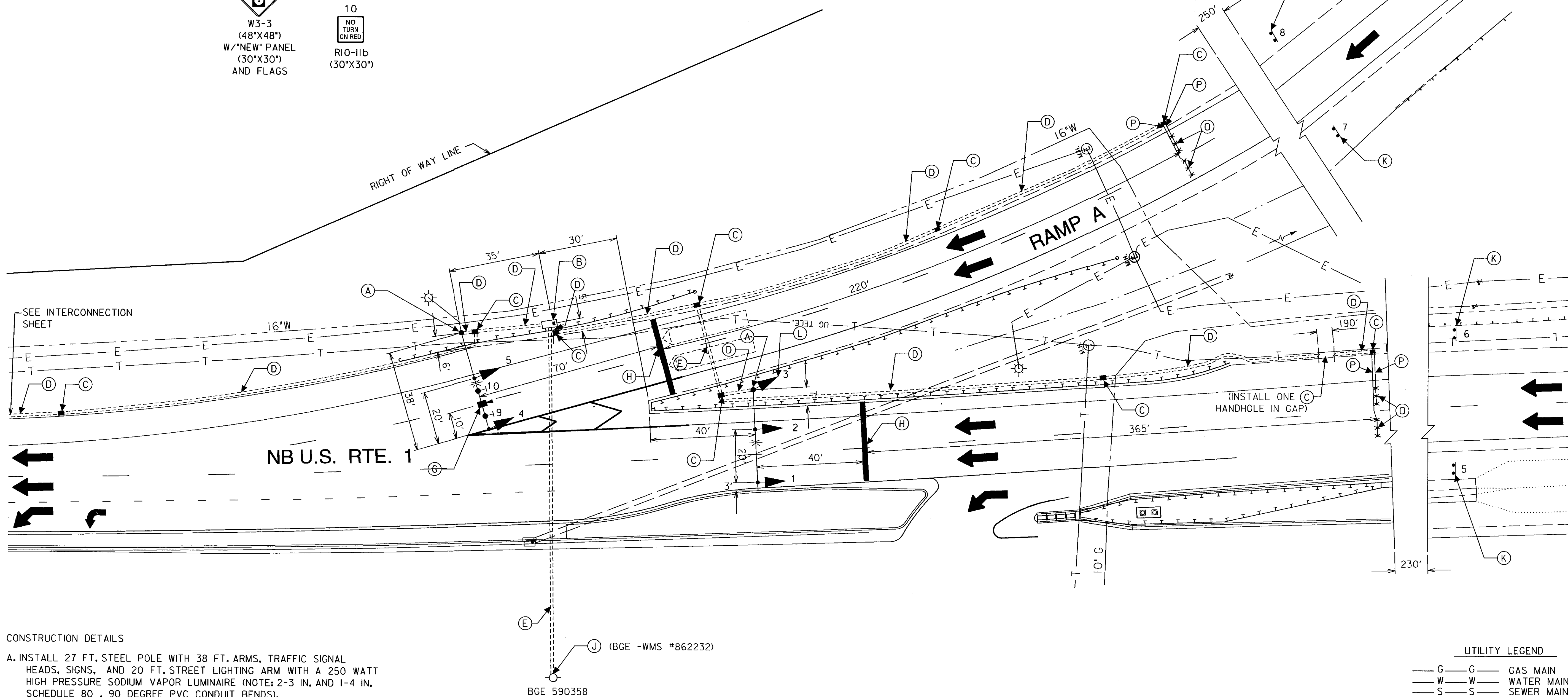
PROPOSED SIGNALS



NEMA PHASING



PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY  
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



CONSTRUCTION DETAILS

- INSTALL 27 FT. STEEL POLE WITH 38 FT. ARMS, TRAFFIC SIGNAL HEADS, SIGNS, AND 20 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE (NOTE: 2-3 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS).
- INSTALL NEMA SIZE '5' BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT.
- INSTALL HANDHOLE.
- INSTALL 3 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
- INSTALL 3 IN. SCHEDULE 80, RIGID PVC ELECTRICAL CONDUIT (BORED).
- INSTALL VIDEO TRAFFIC DETECTOR CAMERA.
- INSTALL 24 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.
- INSTALL RISER UNIT AT UTILITY POLE FOR PROPOSED ELECTRICAL SERVICE (BGE - WMS #862232).
- INSTALL W3-3 SIGN WITH 'NEW' PANEL AND FLAGS ON TWO 4 IN. X 4 IN. TREATED WOOD POSTS APPROXIMATELY 475 FT. IN ADVANCE OF THE NEW SIGNAL.
- INSTALL TRAFFIC SIGNAL HEAD TO STEEL POLE.
- PROPOSED AERIAL POWER FEED.
- PROPOSED WOOD POLE FOR POWER FEED.
- INSTALL NEW MICROPROBE DETECTORS.
- INSTALL 1 IN. GALVANIZED CONDUIT FOR DETECTOR WIRE SLEEVE (TRENCHED).

UTILITY LEGEND

- |   |   |                  |
|---|---|------------------|
| G | G | GAS MAIN         |
| W | W | WATER MAIN       |
| S | S | SEWER MAIN       |
| E | E | ELECTRIC CABLES  |
| A | A | AERIAL CABLES    |
| T | T | TELEPHONE CABLES |

THE WILSON T. BALLARD CO.  
CONSULTING ENGINEERS  
OWINGS MILLS, MARYLAND

REVISIONS	APPROVALS
	<i>Amy B. Ball</i> 7-15-02 TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	<i>[Signature]</i> 7-16-02 ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	<i>[Signature]</i> 7-16-02 CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	<i>[Signature]</i> 7-22-02 DIRECTOR, TRAFFIC & SAFETY



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
TRAFFIC SIGNALIZATION PLAN

US 1 AT MD 32 RAMP A

DRAWN BY: STB	F.A.P. NO. SEE TITLE SHEET	TS NO. TS-4181-1	SHEET NO. 20 OF 31
CHECKED BY: SCALE: 1"=20'	S.H.A. NO. H08275176	T.I.M.S. NO. F089	
DATE: MAY 2002	COUNTY: HOWARD	LOG MILE: 03.15	